Alberto Valdes

List of Publications by Citations

54 papers	1,040 citations	20 h-index	31 g-index
58 ext. papers	1,246 ext. citations	5.4 avg, IF	4.56 L-index

#	Paper	IF	Citations
54	Global Foodomics strategy to investigate the health benefits of dietary constituents. *Journal of Chromatography A*, **2012**, 1248, 139-53	4.5	96
53	Novel MS-based approaches and applications in food metabolomics. *TrAC - Trends in Analytical Chemistry*, **2013**, 52, 100-111	14.6	68
52	Metabolomics of genetically modified crops. *International Journal of Molecular Sciences*, **2014**, 15, 18941666	3	63
51	Effect of rosemary polyphenols on human colon cancer cells: transcriptomic profiling and functional enrichment analysis. *Genes and Nutrition*, **2013**, 8, 43-60	4.3	62
50	Foodomics evaluation of bioactive compounds in foods. *TrAC - Trends in Analytical Chemistry*, **2017**, 96, 2-13	14.6	52
49	Comprehensive foodomics study on the mechanisms operating at various molecular levels in cancer cells in response to individual rosemary polyphenols. *Analytical Chemistry*, **2014**, 86, 9807-15	7.8	48
48	Effect of dietary polyphenols on K562 leukemia cells: a Foodomics approach. *Electrophoresis*, **2012**, 33, 2314-27	3.6	46
47	A fully automated method for simultaneous determination of aflatoxins and ochratoxin A in dried fruits by pressurized liquid extraction and online solid-phase extraction cleanup coupled to ultra-high-pressure liquid chromatography-tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 2899-911	4.4	45
46	Recent transcriptomics advances and emerging applications in food science. *TrAC - Trends in Analytical Chemistry*, **2013**, 52, 142-154	14.6	44
45	Supercritical antisolvent fractionation of rosemary extracts obtained by pressurized liquid extraction to enhance their antiproliferative activity. *Journal of Supercritical Fluids*, **2016**, 107, 581-589	4.2	41
44	Foodomics strategies for the analysis of transgenic foods. *TrAC - Trends in Analytical Chemistry*, **2013**, 52, 2-15	14.6	39
43	Pressurized liquid extraction of Neochloris oleoabundans for the recovery of bioactive carotenoids with anti-proliferative activity against human colon cancer cells. *Food Research International*, **2017**, 99, 1048-1055	7	37
42	Two-step sequential supercritical fluid extracts from rosemary with enhanced anti-proliferative activity. *Journal of Functional Foods*, **2014**, 11, 293-303	5.1	35
41	Rosemary (Rosmarinus officinalis) extract causes ROS-induced necrotic cell death and inhibits tumor growth in vivo. *Scientific Reports*, **2019**, 9, 808	4.9	34
40	Rosemary polyphenols induce unfolded protein response and changes in cholesterol metabolism in colon cancer cells. *Journal of Functional Foods*, **2015**, 15, 429-439	5.1	32
39	Comprehensive Proteomic Study of the Antiproliferative Activity of a Polyphenol-Enriched Rosemary Extract on Colon Cancer Cells Using Nanoliquid Chromatography-Orbitrap MS/MS. *Journal of Proteome Research*, **2016**, 15, 1971-85	5.6	32
38	Metabolomics of adherent mammalian cells by capillary electrophoresis-mass spectrometry: HT-29 cells as case study. *Journal of Pharmaceutical and Biomedical Analysis*, **2015**, 110, 83-92	3.5	26

37	Nano-liquid Chromatography-orbitrap MS-based Quantitative Proteomics Reveals Differences Between the Mechanisms of Action of Carnosic Acid and Carnosol in Colon Cancer Cells. *Molecular and Cellular Proteomics*, **2017**, 16, 8-22	7.6	21
36	Food by-products and food wastes: are they safe enough for their valorization?. *Trends in Food Science and Technology*, **2021**, 114, 133-147	15.3	21
35	Foodomics study on the effects of extracellular production of hydrogen peroxide by rosemary polyphenols on the anti-proliferative activity of rosemary polyphenols against HT-29 cells. *Electrophoresis*, **2016**, 37, 1795-804	3.6	20
34	Shotgun proteomic analysis to study the decrease of xenograft tumor growth after rosemary extract treatment. *Journal of Chromatography A*, **2017**, 1499, 90-100	4.5	18
33	Time-resolved proteomics of adenovirus infected cells. *PLoS ONE*, **2018**, 13, e0204522	3.7	12
32	Parallel Proteomic Workflow for Mass Spectrometric Analysis of Tissue Samples Preserved by Different Methods. *Analytical Chemistry*, **2018**, 90, 5841-5849	7.8	11
31	CGE-laser induced fluorescence of double-stranded DNA fragments using GelGreen dye. *Electrophoresis*, **2013**, 34, 1555-62	3.6	11
30	Foodomics Applications. *Comprehensive Analytical Chemistry*, **2018**, 643-685	1.9	10
29	Foodomics evaluation of the anti-proliferative potential of Passiflora mollissima seeds. *Food Research International*, **2020**, 130, 108938	7	10
28	Capillary Electrophoresis in Food and Foodomics. *Methods in Molecular Biology*, **2016**, 1483, 471-507	1.4	10
27	Anti-proliferative bioactivity against HT-29 colon cancer cells of a withanolides-rich extract from golden berry (Physalis peruviana L.) calyx investigated by Foodomics. *Journal of Functional Foods*, **2019**, 63, 103567	5.1	9
26	Metabolomics study of early metabolic changes in hepatic HepaRG cells in response to rosemary diterpenes exposure. *Analytica Chimica Acta*, **2018**, 1037, 140-151	6.6	8
25	Neuroprotective Effect of Terpenoids Recovered from Olive Oil By-Products. *Foods*, **2021**, 10,	4.9	8
24	Isolation of proteins from spent coffee grounds. Polyphenol removal and peptide identification in the protein hydrolysates by RP-HPLC-ESI-Q-TOF. *Food Research International*, **2020**, 137, 109368	7	7
23	Temporal characterization of the non-structural Adenovirus type 2 proteome and phosphoproteome using high-resolving mass spectrometry. *Virology*, **2017**, 511, 240-248	3.6	6
22	Neuroprotective Potential and Lipidomics Study of Olive Leaves Extracts Enriched in Triterpenoids. *Frontiers in Nutrition*, **2021**, 8, 769218	6.2	6
21	Foodomics: LC and LC-MS-based omics strategies in food science and nutrition **2017**, 267-299		5
20	Foodomics: Analytical Opportunities and Challenges. *Analytical Chemistry*, **2021**,	7.8	5

19	Comprehensive metabolomic study of the response of HK-2 cells to hyperglycemic hypoxic diabetic-like milieu. *Scientific Reports*, **2021**, 11, 5058	4.9	5
18	Development of MS-based methods for identification and quantification of proteins altered during early pregnancy in dogs. *Journal of Proteomics*, **2019**, 192, 223-232	3.9	5
17	Transcriptomic and proteomic analyses reveal new insights into the regulation of immune pathways during adenovirus type 2 infection. *BMC Microbiology*, **2019**, 19, 15	4.5	5
16	Chapter 1:Foodomics Fundamentals, State of the Art and Future Trends. *Food Chemistry, Function and Analysis*, **2021**, 1-53	0.6	4
15	Time-series proteomic study of the response of HK-2 cells to hyperglycemic, hypoxic diabetic-like milieu. *PLoS ONE*, **2020**, 15, e0235118	3.7	3
14	Phosphorylation Time-Course Study of the Response during Adenovirus Type 2 Infection. *Proteomics*, **2020**, 20, e1900327	4.8	3
13	Direct Mass Spectrometry-Based Approaches in Metabolomics. *Comprehensive Analytical Chemistry*, **2014**, 235-253	1.9	3
12	Development of a Parallel Reaction Monitoring-MS Method To Quantify IGF Proteins in Dogs and a Case of Nonislet Cell Tumor Hypoglycemia. *Journal of Proteome Research*, **2019**, 18, 18-29	5.6	3
11	Capillary electromigration methods for food analysis and Foodomics: Advances and applications in the period February 2019-February 2021. *Electrophoresis*, **2021**,	3.6	3
10	Emerging RNA-Seq Applications in Food Science. *Comprehensive Analytical Chemistry*, **2014**, 107-128	1.9	2
9	Foodomics Strategies for the Analysis of Genetically Modified Crops **2014**, 15-44		1
8	Profiling of Genetically Modified Organisms Using Omics Technologies. *Comprehensive Analytical Chemistry*, **2014**, 349-373	1.9	1
7	Metabolomics in the Study of Alzheimer Disease. *Comprehensive Analytical Chemistry*, **2014**, 64, 249-278	1.9	1
6	Neuroprotective Potential of Tamarillo () Epicarp Extracts Obtained by Sustainable Extraction Process. *Frontiers in Nutrition*, **2021**, 8, 769617	6.2	1
5	Neuroprotective potential of terpenoid-rich extracts from orange juice by-products obtained by pressurized liquid extraction.. *Food Chemistry: X*, **2022**, 13, 100242	4.7	0
4	Proteomic comparison between different tissue preservation methods for identification of promising biomarkers of urothelial bladder cancer. *Scientific Reports*, **2021**, 11, 7595	4.9	0
3	Study of the potential neuroprotective effect of Dunaliella salina extract in SH-SY5Y cell model.. *Analytical and Bioanalytical Chemistry*, **2021**, 1	4.4	0
2	MS-Based Methodologies for Transgenic Foods Development and Characterization **2013**, 191-220		

List of Publications

1	Mass Spectrometry-Based Analysis of Time-Resolved Proteome Quantification. *Proteomics*, **2020**, 20, e1800425	4.8